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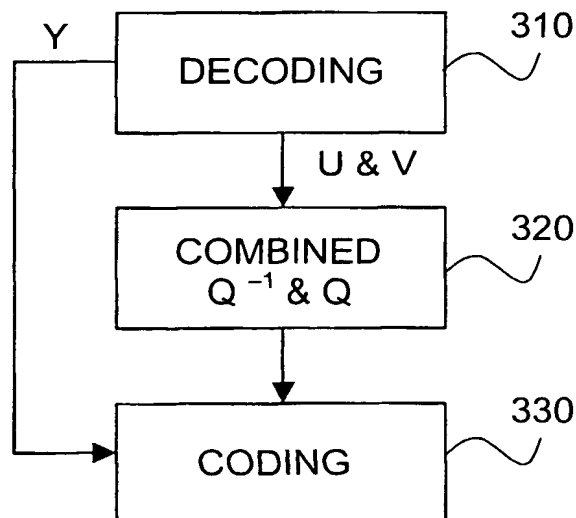
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[Continued on next page]

(54) Title: A METHOD AND DEVICE FOR TRANSCODING IMAGES

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(57) Abstract: A method and a device for transcoding digital images is disclosed. At least portions of a first image coded according to a first method is decoded for obtaining first coefficients of a luminance component and chrominance components of the first image. Furthermore, the first coefficients of the chrominance components of the first image are subjected to a combined inverse quantization according to the first method and quantization according to a second method. The combined inverse quantization and quantization uses a chrominance quantization matrix of the first method for inverse quantization according to the first method and a luminance quantization matrix of the first method for quantization according to the second method, for obtaining second coefficients for chrominance components of at least portions of a second image according to a second method having the same chroma format as the JPEG image. Finally, the first coefficients of the luminance component

of the at least portions of the first image and the second coefficients of the chrominance components of the at least portions of the second image are coded for obtaining at least portions of the second image decodable according to the second method.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, WPI Data, PAJ, IBM-TDB, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FUKUHARA T ET AL: "Motion-JPEG2000 standardization and target market" PROCEEDINGS 2000 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (CAT. NO.00CH37101), PROCEEDINGS OF 7TH IEEE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, VANCOUVER, BC, CANADA, 10-13 SEPT. 2000, pages 57-60 vol.2, XP002243914 2000, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-6297-7 the whole document	1-24
A	W0 02 03705 A (POWERTV INC) 10 January 2002 (2002-01-10) page 6, line 5 -page 7, line 3 page 14, line 22 -page 15, line 18 abstract; figures 1,10 --- -/--	1-24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>JA-LING WU ET AL: "An efficient JPEG to MPEG-1 transcoding algorithm"  1996 INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS, ROSEMONT, IL, USA, 5-7 JUNE 1996,  vol. 42, no. 3, pages 447-457,  XP002243915  IEEE Transactions on Consumer Electronics,  Aug. 1996, IEEE, USA  ISSN: 0098-3063  the whole document</p> <p style="text-align: center;">---</p>	1-24
A	<p>ACHARYA S ET AL: "Compressed domain transcoding of MPEG"  PROCEEDINGS. IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA COMPUTING AND SYSTEMS (CAT. NO.98TB100241), PROCEEDINGS IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA COMPUTING AND SYSTEMS, AUSTIN, TX, USA, 28 JUNE-1 JULY 1998,  pages 295-304, XP002243916  1998, Los Alamitos, CA, USA, IEEE Comput. Soc, USA  ISBN: 0-8186-8557-3  the whole document</p> <p style="text-align: center;">-----</p>	1-24

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